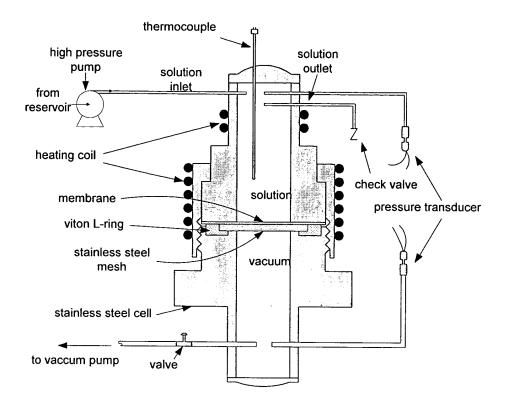
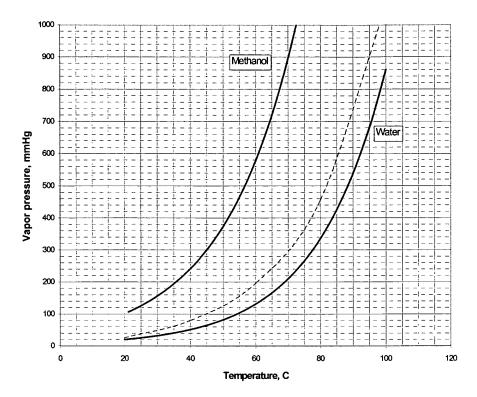


Schematic of the electrochemical cell for measuring proton conductivity of polymeric membranes.

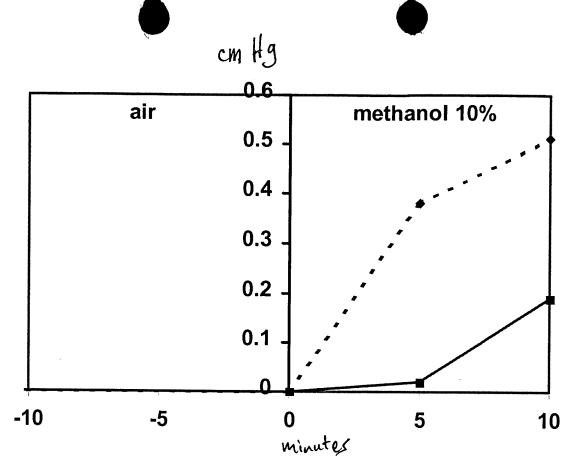


Schematic of the experimental system for measuring methanol crossover.

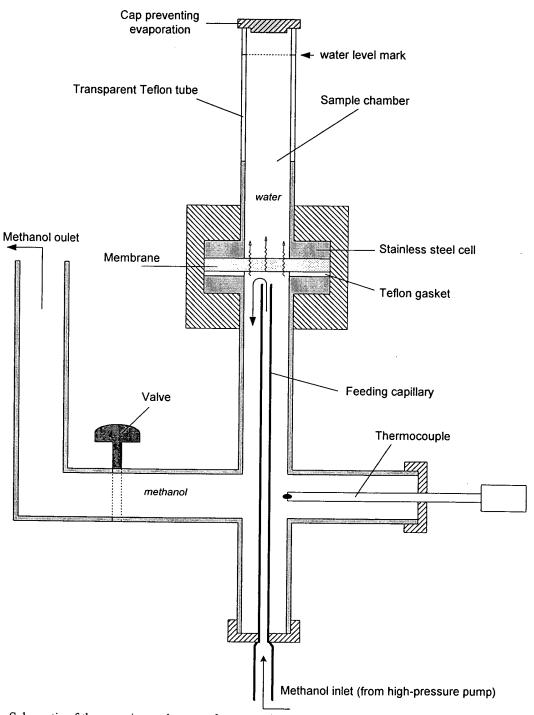


Vapor pressure of water and methanol vs. temperature. Dashed line is drawn using an interpolation for 10% methanol-water solution.

Fig. 3

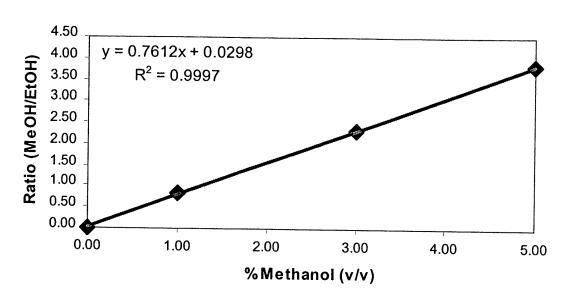


Methanol crossover of polyphosphazene membrane and Nafion at 40°C.



Schematic of the experimental system for measuring methanol diffusion.





GC calibration curve.

Fig. 6